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Cover: Patient receives an examination at home. Because of the geographic isolation of Indian communities in the Sioux Lookout Zone, Ontario, health care delivery by nurses and aides depends heavily on the use of telecommunications and air transport of patients to hospitals, as described in the lead article of this issue.

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# education notes

## **Conference on workers' compensation.**

The Midwest Center for Occupational Health and Safety will sponsor a conference, "Workers' Compensation: Medical, Legal and Environmental Approaches to Working Within the System," December 1, 1981, at the Earle Brown Continuing Education Center, University of Minnesota, St. Paul campus. The purpose of the conference is to increase participants' awareness of their roles as occupational health professionals within the system as well as their knowledge of the workers' compensation system. The conference is planned for occupational health and safety professionals; others directly involved with workers' compensation are encouraged to attend—employers, insurance industry representatives, and personnel directors. Tuition is \$90; Continuing Education Units will be awarded.

Further information may be obtained from Ruth K. McIntyre, Director, Continuing Education, Midwest Center for Occupational Health and Safety, 640 Jackson St., St. Paul, Minn. 55101, telephone (612) 221-3771.

**Industrial ventilation systems.** The Midwest Center for Occupational Health and Safety will offer a course,

"Industrial Ventilation" (National Institute of Occupational Safety and Health No. 588), November 4-6, 1981, at the Midwest Research Institute, 425 Volker Blvd., Kansas City, Mo., for industrial hygienists, plant engineers, safety professionals, and others who have responsibility for controlling airborne workplace hazards. The course will cover the fundamentals of industrial exhaust ventilation, including the air flow design. Content will include exhaust and air supply ventilation systems, selection of exhaust hoods, principles and selection of fans, determination of air volumes and minimum duct velocities, sizing and selection of ducts, and calculation of system pressure losses. Computer design of ventilation systems will be discussed. Lectures will be augmented by hands-on laboratory sessions. Continuing Education Units and points toward maintenance of certification from the American Board of Industrial Hygiene will be awarded. The tuition is \$400.

For further information, contact Ruth K. McIntyre, Director, Continuing Education, Midwest Center for Occupational Health and Safety, 640 Jackson St., St. Paul, Minn. 55101, telephone (612) 221-3771.

**Symposium on aerosols.** The International Symposium on Aerosols in the Mining and Industrial Work Environment, sponsored by the National Institute for Occupational Safety and Health, the Bureau of Mines, and the University of Minnesota, will be held November 2-6, 1981, in Minneapolis, for scientists, engineers, and others involved in various aspects of aerosol measurement in the work environment. Concern for potential health effects of aerosol particles in mining and industrial operations has generated a need for information on the characteristics of such aerosols and instruments and methods for aerosol measurement. The objective of the symposium is to bring together people involved in aerosol measurement to summarize the state of the art and to identify specific areas where present knowledge is inadequate or where quality information is missing.

For further information, contact Ruth K. McIntyre, Director, Continuing Education, Midwest Center for Occupational Health and Safety, 640 Jackson St., St. Paul, Minn. 55101 (telephone 612-221-3771) or Dr. V. A. Marple, University of Minnesota, 130 Mechanical Engineering Bldg., 111 Church St. S.E., Minneapolis, Minn. 55455.

# publications

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An Evaluation of Radiation Emission from Video Display Terminals. *DHHS Publication No. (FDA) 81-8153*. \$4.25. GPO stock No. 017-015-00187-3.

Background Material for the Development of the Food and Drug Administration's Recommendations on Thyroid-Blocking with Potassium Iodine. *DHHS Publication No. (FDA) 81-8158*. \$2.25. GPO stock No. 017-015-00188-1.

Procedures for Evaluating Nonperturbing Temperature Probes in Microwave Fields. *DHHS Publication No. (FDA) 81-8143*. \$2.75. GPO stock No. 017-015-00189-0.

National Directory: Rape Prevention and Treatment Resources. *DHHS Publication (ADM) 81-1008*. 151 pages, \$5.50. GPO stock No. 017-024-01060-0.

**National Technical Information Service (NTIS)**, 5258 Port Royal Rd., Springfield, Va. 22161. Full payment must accompany orders, which should be identified by title and PB number.

Calculation Programs for Routine Compliance Testing of Diagnostic X-Ray Systems. *DHHS Publication No. (FDA) 81-8164*. Order No. PB 81-200503. \$8; \$3.50 microfiche.

Routine Compliance Testing for Diagnostic X-Ray Systems. *DHHS Publication No. (FDA) 81-8161*. Order No. PB 81-201501. \$15.50; \$3.50 microfiche.

Use of Photographic Film to Estimate Exposure Near the Three Mile Island Nuclear Power Station. *DHHS Publication No. (FDA) 81-8142*. Order No. PB 81-183402. \$6.50; \$3.50 microfiche.

A Feasibility Study of the Biological Effects of Fallout on People in Utah, Nevada, and Arizona. *DHHS Publication No. (FDA) 81-8151*. Order No. PB 81-187692. \$5; \$3.50 microfiche.

Annual Report of the Division of Biological Effects, Bureau of Radiological Health, Fiscal Year 1979. *DHHS Publication No. (FDA) 81-8152*. Order No. PB 81-187155. \$11. \$3.50 microfiche.

CSU-FDA Collaborative Radiological Health Laboratory Annual Report 1979. *DHHS Publication No. (FDA) 81-8042*. Order No. PB 81-184566. \$15.50; \$3.50 microfiche.

An Intercomparison of Nuclear Medicine, Ultrasonography, and Computed Tomography in the Diagnosis of Liver Disease: A Retrospective Study. *DHHS Publication No. (FDA) 81-8157*. Order No. PB 81-199044. \$6.50; \$3.50 microfiche.

Results of Hospital Employees' Wages and Labor Union Organization. *Summary: Order No. PB 81-145054*. \$5; \$3.50 microfiche. *Full report: Order No. PB 81-145062*. \$12.50; \$3.50 microfiche.

Guide for Submission of Information on Industrial Radiofrequency Dielectric Heater and Sealer Equipment Pursuant to 21 CFR 1002.10 and 1002.12. *DHHS Publication No. (FDA) 81-8137*. Limited, single copies available from Bureau of Radiological Health (HFX-28), 5600 Fishers Lane, Rockville, Md. 20857.

Eighth Report of the National Heart, Lung, and Blood Advisory Council. *DHHS Publication No. (NIH) 80-2104*. Copies available from Publications Section, Office of Information/NHLBI, Bethesda, Md. 20205.

Emergency Medical Services Systems Research Projects, October 1979-March 1981. *DHHS Publication No. (PHS) 81-3304*. 87 pages. Copies available from Division of Extramural Research,

Attn: EMS, Rm. 8-27, 3700 East-West Highway, Hyattsville, Md. 20782.

State Laws and Regulations on Genetic Disorders. 80 pages. Single copies available from National Clearinghouse for Human Genetic Diseases, 805 15th St., NW., Suite 500, P.O. Box 28612, Washington, D.C. 20005.

The Area Resource File, A Health Professions Planning and Research Tool. *DHHS Publication No. (HRA) 81-9*. May 1981, 212 pages. Copies available from Publications and Records, Room 3-22 Center Bldg., 3700 East-West Highway, Hyattsville, Md. 20782.

**National Center for Health Services Research**, PHS, Rm. 7-44, Center Bldg., 3700 East-West Highway, Hyattsville, Md. 20782.

The Rhode Island Catastrophic Health Insurance Program: The First Three Years. *DHHS Publication No. (PHS) 81-3260*.

Hispanic Health Services Research: A Preliminary Bibliography. *DHHS Publication No. (PHS) 81-3300*. 15 pages.

Health Planning Review of Medical Information Systems. *DHHS Publication No. (PHS) 81-3303*. 65 pages.

Summary of Grants and Contracts Active on September 30, 1978. *DHHS Publication No. (PHS) 31-3307*. 254 pages.

## NON-FEDERAL

**Sage Publications, Inc.**, 275 South Beverly Drive, Beverly Hills, Calif. 90212.

Evaluating Victim Services. Edited by Susan E. Salasin. January 1981, 168 pages; hardcover \$15 (ISBN 0-8039-1525-X); softcover \$7.50 (ISBN 0-8039-1526-8).

Meta-Analysis in Social Research. By Gene V. Glass, Barry McGaw, and Mary Lee Smith. July 1981, 300 pages; hardcover \$25 (ISBN 0-8039-1633-7).

Simple Systems, Complex Environments: Hospital Financial Information Systems. By *Mari Malvey*. March 1981, 200 pages; hardcover \$17.95 (ISBN 0-8039-1541-1).

Using Microcomputers in Social Agencies. Vol. 19. By *James B. Taylor*. April 1981, 120 pages; softcover \$7.50 (ISBN 0-8039-1617-5).

Matching Clients and Services, Information and Referral. By *R. Mark Mathews and Stephen B. Fawcett*. 1981, 160 pages; softcover \$8.50 (ISBN 0-8039-1619-1).

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**Population Reference Bureau, Inc., Circulation Dept., P.O. Box 35012, Washington, D.C. 20013.**

Cuba: The Demography of Revolution. By *Sergio Diaz-Briquets and Lisandro Pérez*. Vol. 36, No. 1. April 1981, 43 pages; \$7 (ISSN 0032-468X).

U.S. Women at Work. By *Linda J. Waite*. Vol. 36, No. 2. May 1981, 44 pages; \$6.50 (ISSN 0032-468X).

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**Pan American Health Organization, 525 23rd St., N.W., Washington, D.C. 20037.**

Fifth International Conference on the Mycoses: Superficial, Cutaneous, and Subcutaneous Infections, Caracas, Venezuela, 27-30, April 1980. *PAHO Scientific Publication No. 396*. 391 pages, \$15 (ISBN 92-75-11396-3).

Animal Health in the Americas: Animals in Human Life, Washington, D.C., 14-17, April 1980. *PAHO Scientific Publication No. 404*. 94 pages, \$16 (ISBN 92-75-11404-8). (Also available in Spanish.)

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**Managing Editor, International Union Against Cancer, 3 rue de Conseil-Général, 1205 Geneva, Switzerland.**

Basic Concepts in Cancer Nursing. Edited by *V. Barckley*. *IICC Technical Reports Series, Vol. 39*. 1980, 261 pages; 10 Swiss francs, U.S. \$6 plus postage and packaging (ISBN 92-9018-039-0).

International Catalogue of Films, Filmstrips and Slides on Public Education about Cancer: First Supplement. *IICC Technical Report Series, Vol. 54*. 1980, 187 pages, 25 Swiss francs, U.S. \$15, plus postage and packaging (ISBN 92-9018-054-4).

Public Education About Cancer: Recent Research and Current Programmes. Edited by *Patricia Hobbs*. *IICC Technical Reports Series, Vol. 55*. 1980, 101 pages; 10 Swiss francs, U.S. \$6, plus postage and packaging (ISBN 92-9018-055-2). (Available in English only.)

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**Gale Research Co., Book Tower, Detroit, Mich. 48226.**

Health Services Directory: A Topical Guide to Clinics, Treatment Centers, Rehabilitation Facilities, Counseling/Diagnostic Services, and Care Programs. First edition, edited by *Anthony R. Kruzas*. 1981, 620 pages; \$60 (ISBN 0-8103-0272-1).

Handicapping Conditions and Services Directory. July 1981, 405 pages; \$28 (ISBN 0-8103-0995-5).

Health Organizations of the United States, Canada, and the World: A Directory of Voluntary Associations, Professional Societies, and Other Groups Concerned with Health and Related Fields. Fifth edition. 1981, 411 pages; \$65 (ISBN 0-8103-0466-X).

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**Institute for Health Planning, 702 North Blackhawk Ave., Madison, Wis. 53705.**

Selective Bibliography on Fund Raising. 7 pages; single copies, 25 cents plus postage.

Effective Research: Handbook for Health Planners. By *Nancy A. McGill*. June 1981, 33 pages; single copies, 70 cents plus postage.

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**Association of American Medical Colleges, Attention: Membership and Subscriptions, Suite 200, One Dupont Circle, N.W., Washington, D.C. 20036.**

Toward a More Contemporary Public Understanding of the Teaching Hospital. Revised March 1981, 18 pages, \$3.

Price Competition in the Health Care Marketplace: "Issues for Teaching Hospitals." March 1981, 18 pages, \$3.

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**Harper and Row, 10 East 53rd St., New York, N.Y. 10022.**

American Sign Language: A Comprehensive Dictionary. By *Martin L. A. Sternberg*. June 1981, \$39.95.

The Family Book About Sexuality. By *Mary S. Calderone and Eric W. Johnson*. February 1981, \$14.95.

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**Century Twenty One Publishing, P.O. Box 8-A, Saratoga, Calif. 95070.**

Urban Education: An Annotated Bibliography. By *Arnold G. Parks*. 1981, \$9.50 plus \$1 for shipping and sales tax. (ISBN 0-86548-053-2) (LC #80-69234).

The Societal Learning Approach: A New Approach to Social Welfare Policy and Planning in America. By *Thomas D. Watts*. 1981, 140 pages, \$11.95 (ISBN 0-86548-058-3) (LC #80-69231).

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**SALUS: Low-Cost Rural Health Care and Health Manpower Training, Vol. 7. Edited by Rosanna M. Bechtel**. 1981, 142 pages (ISBN 0-88936-290-4). *SALUS Manager, International Development Research Centre, P.O. Box 8500, Ottawa, Canada K1G 3H9.*

Alcoholism, Alcohol Abuse, and Related Problems: Opportunities for Research. 1980, 195 pages; paperbound \$8.25. (ISBN 0-309-03099-8). *National Academy of Sciences, Office of Publications, 2101 Constitution Ave., Washington, D.C. 20418.*

Disinfectants: Their Use and Evaluation of Effectiveness. Edited by *C. H. Collins, M. C. Allwood, Sally F. Bloomfield, and A. Fox*. *Society for Applied Bacteriology Technical Series No. 16*. March 1981, 230 pages, \$38.50. *Academic Press, Inc., 111 Fifth Ave., New York, N.Y. 10003.*

Beyond Alcoholism: Alcohol and Public Health Policy. By *Dan E. Beauchamp*. 240 pages, \$17.50 (ISBN 0-87722-189-9). *Temple University Press, Broad and Oxford Streets, Philadelphia, Pa. 19122.*

The Brain and Aging: The Myths, the Facts. By *Arthur S. Freese*. *Public Affairs Pamphlet No. 591*. February 1981, 20 pages; 50 cents. *Public Affairs Pamphlets, 381 Park Ave. South, New York, N.Y. 10016.*

Improving the Chances for Health: Lifestyle Change and Health Evaluation. By *Katherine G. Bauer*. 187 pages, \$1.50. *The National Center for Health Education, 211 Sutter St., San Francisco, Calif. 94108.*

Atherosclerosis. 80 pages. and Atherosclerosis Update: Emphasis on Diet. 23 pages. *Best Foods Nutrition Information Service, Box 307, Dept. MSL-A, Coventry, Conn. 06238.*

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**Springer Publishing Company, 200 Park Ave. South, New York, N.Y. 10003.**

Toward Rational Technology in Medicine: Considerations for Health Policy. By *H. David Banta, Clyde J. Behney and Jane Sisk Williams*. March 1981, 256 pages, hardcover \$28.50 (ISBN 0-8261-3200-6).

Staffing Primary Care in 1990: Physician Replacement and Cost Savings. By *Jane Cassels Record*. February 1981, 176 pages, hardcover \$23.50 (ISBN 0-8261-3370-3).

Social Medicine: The Advance of Organized Health Services in America. By *Milton I. Roemer*, 1978, 576 pages, hardcover \$29 (ISBN 0-8261-2600-6).

Health Care Delivery in the United States. By *Steven Jonas*. May 1981, 512 pages, softcover \$16.95 (ISBN 0-8261-2073-3).

An Easier Way: Handbook for the Elderly and Handicapped. By Jean Vieth Sargent. 1981, 219 pages, \$10.50. Iowa State University Press, South State Ave., Ames, Iowa 50010.

Radiation on the Job: A Manual for Health Workers on Ionizing Radiation. 1981. 60 pages, \$2.75. Coalition for Medical Rights of Women, Low-Level Radiation Project, 1638-S Haight St., San Francisco, Calif. 94117.

This Baby Needs You Even More. 9 pages. Free copies available from National Down Syndrome Society, 146 East 57th St., New York, N.Y. 10022.

About Your High Blood Pressure Medicine. Paperback \$3 (add 5% sales tax for Maryland residents). Send check or money order to USP, Drug Information Division, 12601 Twinbrook Parkway, Rockville, Md. 20852.

Exercising for Fitness. By C. P. Gilmore. June 1981, 1976 pages, \$11.95 retail. Little, Brown and Company, 34 Beacon Street, Boston, Mass. 02106. School and library editions: Silver Burdett Com-

pany, 250 James St., Morristown, N.J. 07960 (ISBN 0-8084-3754-6).

World Health Organization (WHO) Publications Centre, U.S.A., 49 Sheridan Ave., Albany, N.Y. 12210.

Towards a Better Future. Maternal and Child Health. 1980, 42 pages, 8 Swiss francs (ISBN 92-4-154149-0). (French and Spanish editions in preparation.)

Food Safety Services. Edited by R. Johnson. 1981, 183 pages, 14 Swiss francs (ISBN 92-890-1150-5). WHO Regional Office for Europe, Copenhagen.

Vaccination Certificate Requirements for International Travel: Situation as on January 1, 1981, and Health Advice to Travellers. 1981, 65 pages, 18 Swiss francs (ISBN 92-4-158005-4). (French edition in preparation.)

The Pan American Health Organization: Origins and Evolution. By Norman Howard-Jones. 1981, 20 pages, 7 Swiss francs (ISBN 92-4-156066-5). (Also available in French.)

Statistical Methods in Cancer Research. Vol. 1. The Analysis of Case-Control Studies. By N. E. Breslow and N. E. Day. IARC Scientific Publication No. 32, 1980, 338 pages, 50 Swiss francs, U.S. \$30.

Guidelines for Health Manpower Planning: A Course Book. By P. Hornby, D. K. Ray, P. J. Shipp, and T. L. Hall. 1980, 370 pages, 26 Swiss francs (ISBN 92-4-154156-3). (French edition in preparation.)

IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans. Vol 24. Some Pharmaceutical Drugs. 1980, 337 pages, 40 Swiss francs, U.S. \$25. International Agency for Research on Cancer, Lyons. Distributed for IARC by WHO.

N-nitroso Compounds: Analysis, Formation and Occurrence. Edited by E. A. Walker, M. Castegnaro, L. Gričute, and M. Börzsönyi. IARC Scientific Publication No. 31: 1980, 841 pages, 70 Swiss francs, U.S. \$40. International Agency for Research on Cancer, Lyons. Distributed for IARC by WHO.

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